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Health Services

Application

MAY 10 2002

Follow instructions carefully.

Do not exceed 56-character length restrictions, including spaces.

PI: SPECK, NANCY A

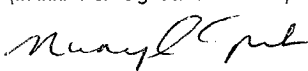
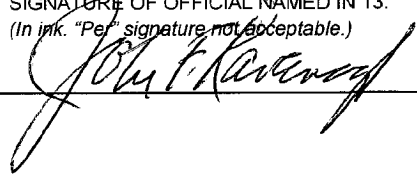
Council: 01/2003

2 T32 GM008704-06

Dual:

IRG: ZGM1 SRC(99)

Received: 05/10/2002

1. TITLE OF PROJECT Molecular and Cellular Biology at Dartmouth					
2. RESPONSE TO SPECIFIC REQUEST FOR APPLICATIONS OR PROGRAM ANNOUNCEMENT OR SOLICITATION <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (If "Yes," state number and title) Number: Title:					
3. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR			New Investigator <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
3a. NAME (Last, first, middle) Speck, Nancy A.			3b. DEGREE(S) Ph.D.		
3c. POSITION TITLE Professor			3d. MAILING ADDRESS (Street, city, state, zip code) Biochemistry Department Dartmouth Medical School 7200 Vail Hanover, NH 03755-3844		
3e. DEPARTMENT, SERVICE, LABORATORY, OR EQUIVALENT Biochemistry			E-MAIL ADDRESS: Nancy.Speck@Dartmouth.edu		
3f. MAJOR SUBDIVISION Dartmouth Medical School					
3g. TELEPHONE AND FAX (Area code, number and extension) TEL: 603, 650-1159 FAX: 603, 650-1128					
4. HUMAN SUBJECTS RESEARCH <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		4a. Research Exempt <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes," Exemption No. 4b. Human Subjects Assurance No. M-1520		5. VERTEBRATE ANIMALS <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
		4c. NIH-defined Phase III Clinical Trial <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		5a. If "Yes," IACUC approval Date See Table 16	
				5b. Animal welfare assurance no A-3259-01	
6. DATES OF PROPOSED PERIOD OF SUPPORT (month, day, year—MM/DD/YY) From 07/01/03 Through 06/30/08		7. COSTS REQUESTED FOR INITIAL BUDGET PERIOD 7a. Direct Costs (\$) 327,304		8. COSTS REQUESTED FOR PROPOSED PERIOD OF SUPPORT 7b. Total Costs (\$) 340,972 8a. Direct Costs (\$) 2,291,128 8b. Total Costs (\$) 2,386,804	
9. APPLICANT ORGANIZATION Name Trustees of Dartmouth College Address Office of Grants and Contracts 11 Rope Ferry Road, #6210 Hanover, NH 03755-1404 Institutional Profile File Number (if known) 2021601			10. TYPE OF ORGANIZATION Public: <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Local Private: <input checked="" type="checkbox"/> Private Nonprofit For-profit: <input type="checkbox"/> General <input type="checkbox"/> Small Business <input type="checkbox"/> Woman-owned <input type="checkbox"/> Socially and Economically Disadvantaged		
			11. ENTITY IDENTIFICATION NUMBER 1-020222111-A3 DUNS NO. (if available) 04-102-7822 Congressional District 2nd		
12. ADMINISTRATIVE OFFICIAL TO BE NOTIFIED IF AWARD IS MADE Name Nancy J. Wray Title Senior Associate Director Address Office of Grants and Contracts 11 Rope Ferry Road, #6210 Hanover, NH 03755-1404 Tel (603)646-3007 FAX (603)646-3670 E-Mail grants.and.contracts@dartmouth.edu			13. OFFICIAL SIGNING FOR APPLICANT ORGANIZATION Name John F. Kavanagh, Ph.D. Title Director Address Office of Grants and Contracts 11 Rope Ferry Road, #6210 Hanover, NH 03755-1404 Tel (603)646-3007 FAX (603)646-3670 E-Mail grants.and.contracts@dartmouth.edu		
14. PRINCIPAL INVESTIGATOR/PROGRAM DIRECTOR ASSURANCE: I certify that the statements herein are true, complete and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. I agree to accept responsibility for the scientific conduct of the project and to provide the required progress reports if a grant is awarded as a result of this application.			SIGNATURE OF PI/PD NAMED IN 3a. (In ink. "Per" signature not acceptable.) 		DATE 5/10/02
15. APPLICANT ORGANIZATION CERTIFICATION AND ACCEPTANCE: I certify that the statements herein are true, complete and accurate to the best of my knowledge, and accept the obligation to comply with Public Health Services terms and conditions if a grant is awarded as a result of this application. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties.			SIGNATURE OF OFFICIAL NAMED IN 13. (In ink. "Per" signature not acceptable.) 		DATE 5/5/02

DESCRIPTION: State the application's broad, long-term objectives and specific aims, making reference to the health relatedness of the project. Describe concisely the research design and methods for achieving these goals. Avoid summaries of past accomplishments and the use of the first person. This abstract is meant to serve as a succinct and accurate description of the proposed work when separated from the application. If the application is funded, this description, as is, will become public information. Therefore, do not include proprietary/confidential information. **DO NOT EXCEED THE SPACE PROVIDED.**

The goals of the proposed training program are to recruit and train outstanding young graduate students, and prepare them for productive careers in science. The "Molecular and Cellular Biology at Dartmouth" Training Program includes trainers from the majority of the faculty in Dartmouth's largest life science graduate program, the Molecular and Cellular Biology (MCB) Graduate Program. The MCB Graduate Program is an interdepartmental, interdisciplinary program consisting of 56 tenured or tenure-track faculty members and 104 students. Research areas include biotechnology, cell biology, computational biology, developmental biology, immunology, molecular pathogenesis, neurobiology, regulation of gene expression, signal transduction and cellular metabolism, and structural biology. The MCB Graduate Program is interdepartmental, consisting of students and faculty from the Departments of Biological Sciences and Chemistry at Dartmouth College; the Departments of Biochemistry, Genetics, Microbiology & Immunology, Medicine, Physiology, Pediatrics, and Pathology at Dartmouth Medical School, and the Thayer School of Engineering. The MCB Graduate Program was created in 1995 via the fusion of two existing graduate programs, the Biology Graduate Program at Dartmouth College and the Biochemistry Graduate Program at Dartmouth Medical School. Although the combined MCB Graduate Program is relatively new, many of the trainers have a long and established training record. The "Molecular and Cellular Biology at Dartmouth" Training Program includes 41 of the 56 MCB Graduate Program Faculty, who were selected based on the strength of their research programs, their commitment to training predoctoral students, and their willingness to participate in the training program. Trainees must satisfy the MCB Graduate Program requirements for the Ph.D., which include three research rotations, a two-term core course, four elective courses, one term of teaching, participation in journal clubs and seminars, a qualifying exam, a yearly research in progress presentation, and a thesis defense. In addition "Molecular and Cellular Biology at Dartmouth" trainees are required to take the "Ethical and Responsible Conduct in Research" course. The MCB Graduate Program regularly matriculates an average of 20 students/year. New efforts to recruit underrepresented minority students were implemented in the last year of the previous funding period.

PERFORMANCE SITE(S) (organization, city, state)

Dartmouth College and Dartmouth Medical School, Hanover, NH

KEY PERSONNEL. See instructions. Use continuation pages as needed to provide the required information in the format shown below. Start with Principal Investigator. List all other key personnel in alphabetical order, last name first.

Name	Organization	Role on Project
Nancy A. Speck, PhD	Dartmouth Medical School	Program Director, Co-Chair, Underrepresented Minority Recruitment and Retention
Amy C. Anderson, PhD	Dartmouth College	Program Member
Bradley A. Arrick, MD, PhD	Dartmouth Medical School	Program Member
Charles K. Barlowe, PhD	Dartmouth Medical School	Training Grant Committee Member and Program Member; Chair, MCB Graduate Committee beginning 07/01/02;
Sharon E. Bickel, PhD	Dartmouth College	Program Member
Constance Brinckerhoff, PhD	Dartmouth Medical School	Program Member; Director, MD/PhD Program
David J. Bzik, PhD	Dartmouth Medical School	Program Member
Ta Yuan Chang, Ph.D.	Dartmouth Medical School	Program Member and Chair of Biochemistry Department
Ambrose L. Cheung, MD	Dartmouth Medical School	Program Member
Charles N. Cole, PhD	Dartmouth Medical School	Program Member and Member, MCB Graduate Committee
Duane A. Compton, PhD	Dartmouth Medical School	Program Member
Patrick J. Dolph, PhD	Dartmouth College	Program Member

Disclosure Permission Statement. Applicable to SBIR/STTR Only. See instructions. ☐ Yes ☐ No

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